The Vlaar laboratory at the University of Puerto Rico (UPR) and the Center for Integrated Technology and Organic Synthesis (CITOS) at the University of Liege (ULiège), Belgium (Dr. Jean-Christophe Monbaliu), are seeking for a postdoctoral researcher in a collaborative project based at UPR. The collaborative project is focused on developing flow chemistry processes for pharmaceuticals. We have an interdisciplinary research environment where chemists, engineers, and pharmaceutical scientists work together to address unmet manufacturing/processing needs to improve quality of life. See the CITOS website for more information: http://www.citos.uliege.be.

We are seeking a talented postdoctoral researcher to do exciting and creative research, especially in the field of synthetic organic synthesis and flow chemistry. We expect from the candidate to do high impact research, which can contribute to the science community in form of publications and conference contributions. The successful candidate will benefit from excellent scientific and collaborative environment as well as the state-of-the-art research facilities at the Molecular Sciences Research Center of the UPR in San Juan, Puerto Rico and at CITOS in Liege, Belgium. In addition to mentorship, the candidate will receive guidance in professional development, including workshops focused on grant writing, career development, networking and job searching within and outside of academia in the United States and Europe. The position offers an excellent benefits package with a competitive salary and a beautiful working and living environment.

The ideal candidate must have or be expecting a PhD in Organic Chemistry, Engineering, Pharmaceutical Sciences, or a related field, and a strong publication record (3-5 publications in reputable peer-reviewed journals). The position works as a 1-year appointment, and contingent upon satisfactory annual reviews, the position can be extended for up to 3-years. Moreover, it is expected that the candidate based in the Molecular Science Research Center of the UPR (mentored by Dr. Vlaar) is flexible to travel between UPR and ULiège and spend up to 6 months in a 1-year appointment at CITOS (mentored by Dr. Monbaliu) to facilitate the flow chemistry development and implementation of organocatalysis approaches in microfluidic setups needed for the project.

Description of the position:

The postdoctoral researcher will design and execute experiments related to a research project funded by the National Aeronautics and Space Administration (NASA). The goals for the position are to build and successfully execute an exciting, independent flow chemistry project within the research program through collaboration with the principal investigators, lab members, and project collaborators from the NASA Ames Research Center and Johnson Space Center as well as the Crystallization Design Institute (https://cdiupr.weebly.com) at the UPR. The postdoctoral researchers will be expected to be aware of the most recent updates in the research fields and will discuss research results and findings with supervisors in individual meetings and group meetings. The postdoctoral researchers will report the research outcomes under the guidance of supervisors. At the same time, the postdoctoral researcher will be highly encouraged to work on high-risk, high-return research ideas.

To apply, please email your cover letter, curriculum vitae including the name of three references, which will be contacted, and a brief write up on past research, addressed to Drs. Cornelis Vlaar (UPR) and Jean-Christophe Monbaliu (Director of CITOS), at CrystallizationDesignInstitute@gmail.com.